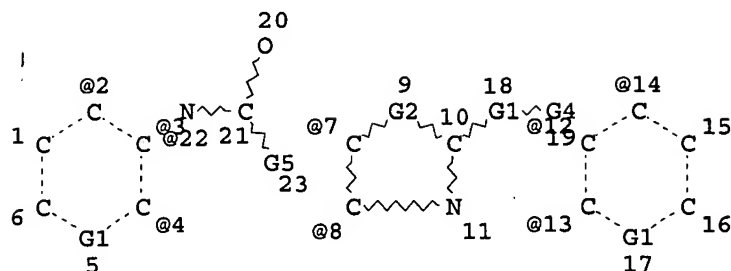


L7 HAS NO ANSWERS
L7 STR



VAR G1=N/C
VAR G2=O/S/N
VAR G4=14/12/13
VAR G5=7/8
VPA 22-2/3/4 U
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC 4 13 11
NUMBER OF NODES IS 23

STEREO ATTRIBUTES: NONE

=> s 17 ful
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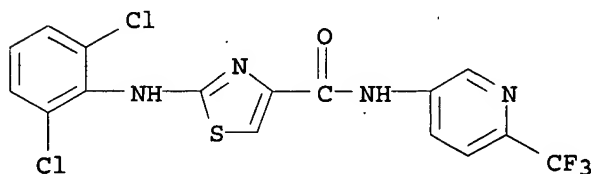
100.0% PROCESSED 858119 ITERATIONS
SEARCH TIME: 00.00.12

357 ANSWERS

L9 357 SEA SSS FUL L7

=> d scan

L9 357 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 4-Thiazolecarboxamide, 2-[(2,6-dichlorophenyl)amino]-N-[6-(trifluoromethyl)-3-pyridinyl]- (9CI)
MF C16 H9 Cl2 F3 N4 O S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s 19 and pyri?
3192625 PYRI?

L10 105 L9 AND PYRI?

=> fil caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
180.34	180.55

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FILE COVERS 1907 - 14 Feb 2006 VOL 144 ISS 8
FILE LAST UPDATED: 13 Feb 2006 (20060213/ED)

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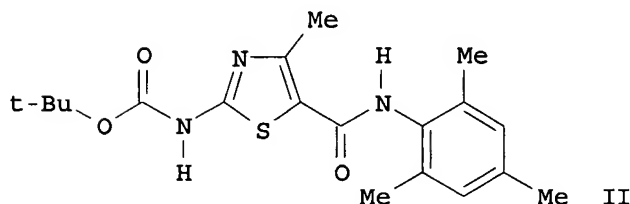
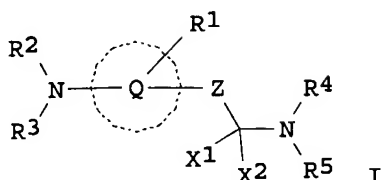
=> s l10
L11 8 L10

=> d bib abs hitstr 8

L11 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2000:756524 CAPLUS
DN 133:321878
TI Preparation of cyclic protein tyrosine kinase inhibitors
IN Das, Jagabandhu; Padmanabha, Ramesh; Chen, Ping; Norris, Derek J.;
Doweyko, Arthur M. P.; Barrish, Joel C.; Wityak, John
PA Bristol-Myers Squibb Co., USA
SO PCT Int. Appl., 300 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000062778	A1	20001026	WO 2000-US9753	20000412
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	CA 2366932	AA	20001026	CA 2000-2366932	20000412
	AU 2000042338	A5	20001102	AU 2000-42338	20000412
	AU 779089	B2	20050106		
	EP 1169038	A1	20020109	EP 2000-922102	20000412
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,			

	IE, SI, LT, LV, FI, RO			
BR	2000009721	A	20020213	BR 2000-9721 20000412
TR	200102969	T2	20020821	TR 2001-200102969 20000412
JP	2002542193	T2	20021210	JP 2000-611914 20000412
NZ	513639	A	20040227	NZ 2000-513639 20000412
RU	2260592	C2	20050920	RU 2001-130452 20000412
ZA	2001007204	A	20021202	ZA 2001-7204 20010830
NO	2001004970	A	20011210	NO 2001-4970 20011012
US	2005261305	A1	20051124	US 2005-138793 20050525
US	2005288303	A1	20051229	US 2005-138942 20050526
PRAI	US 1999-129510P	P	19990415	
WO	2000-US9753	W	20000412	
US	2000-548929	A1	20000413	
US	2003-378373	A1	20030303	
OS	MARPAT 133:321878			
GI				



AB The title compds. [I; Q = (un)substituted 5-6 membered heteroaryl, aryl; Z = a single bond, R15C:CH, (CH2)m (m = 1-2); X1, X2 = H; X1 and X2 together = O, S; R1 = H, alkyl, alkenyl, etc.; R2, R3 = H, alkyl, alkenyl, etc.; R4, R5 = H, alkyl, alkenyl, etc.], useful in the treatment of protein tyrosine kinase-associated disorders such as immunol. and oncol. disorders (no data), were prepared E.g., a multi-step synthesis of thiazole II was given. Compds. I are effective at 0.1-100 mg/kg/day.

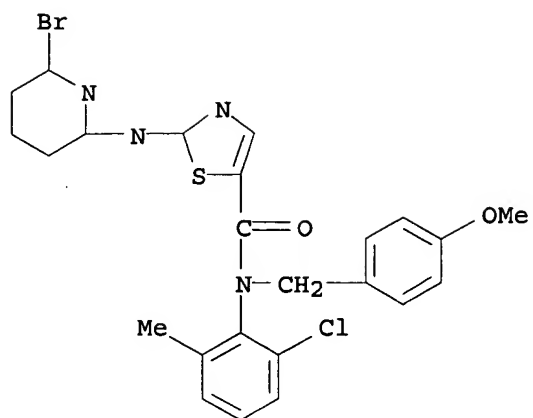
IT 302963-43-5P 302963-44-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of cyclic protein tyrosine kinase inhibitors)

RN 302963-43-5 CAPLUS

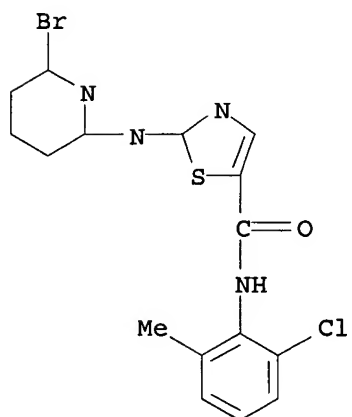
CN 5-Thiazolecarboxamide, 2-[(6-bromo-2-pyridinyl)amino]-N-(2-chloro-6-methylphenyl)-N-[(4-methoxyphenyl)methyl]- (9CI) (CA INDEX NAME)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

RN 302963-44-6 CAPLUS

CN 5-Thiazolecarboxamide, 2-[(6-bromo-2-pyridinyl)amino]-N-(2-chloro-6-methylphenyl)- (9CI) (CA INDEX NAME)



(FILE 'HOME' ENTERED AT 10:44:51 ON 14 FEB 2006)

FILE 'REGISTRY' ENTERED AT 10:44:57 ON 14 FEB 2006

L1 STRUC
L2 46 S L1
L3 STRUC
L4 45 S L3
L5 STRUC
L6 32 S L5
L7 STRUC
L8 0 S L7
L9 357 S L7 FUL
L10 105 S L9 AND PYRI?

FILE 'CAPLUS' ENTERED AT 10:52:10 ON 14 FEB 2006

L11 8 S L10

FILE 'REGISTRY' ENTERED AT 10:53:37 ON 14 FEB 2006

L12 2 S 302961-88-2 OR 302961-89-3

FILE 'CAPLUS' ENTERED AT 10:53:56 ON 14 FEB 2006

L13 4 S L12

=> s l11 not l13

L14 4 L11 NOT L13

=> d bib 1-4

L14 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1144486 CAPLUS

DN 144:51494

TI Synthesis and evaluation of thiazole carboxamides as vanilloid receptor 1 (TRPV1) antagonists

AU Xi, Ning; Bo, Yunxin; Doherty, Elizabeth M.; Fotsch, Christopher; Gavva, Narender R.; Han, Nianhe; Hungate, Randall W.; Klionsky, Lana; Liu, Qingyian; Tamir, Rami; Xu, Shimin; Treanor, James J. S.; Norman, Mark H.

CS Chemistry Research and Discovery, Amgen Inc., Thousand Oaks, CA, 91320, USA

SO Bioorganic & Medicinal Chemistry Letters (2005), 15(23), 5211-5217

CODEN: BMCLE8; ISSN: 0960-894X

PB Elsevier B.V.

DT Journal

LA English

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:471944 CAPLUS

DN 143:26594

TI Preparation of thiazoles and oxazoles useful as modulators of ATP-binding cassette (ABC) transporters

IN Hadida Ruah, Sarah S.; Miller, Mark T.; Grootenhuys, Peter D. J.; Hamilton, Matthew

PA Vertex Pharmaceuticals Incorporated, USA

SO PCT Int. Appl., 146 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005049018	A1	20050602	WO 2004-US38566	20041115
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
 NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO,
 SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
 NE, SN, TD, TG

US 2005130970 A1 20050616 US 2004-989218 20041115
 PRAI US 2003-520355P P 20031114
 OS MARPAT 143:26594
 RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:1068074 CAPLUS
 DN 142:168974
 TI Discovery of N-(2-Chloro-6-methyl-phenyl)-2-(6-(4-(2-hydroxyethyl)-
 piperazin-1-yl)-2-methylpyrimidin-4-ylamino)thiazole-5-carboxamide
 (BMS-354825), a Dual Src/Abl Kinase Inhibitor with Potent Antitumor
 Activity in Preclinical Assays
 AU Lombardo, Louis J.; Lee, Francis Y.; Chen, Ping; Norris, Derek; Barrish,
 Joel C.; Behnia, Kamelia; Castaneda, Stephen; Cornelius, Lyndon A. M.;
 Das, Jagabandhu; Doweiko, Arthur M.; Fairchild, Craig; Hunt, John T.;
 Inigo, Ivan; Johnston, Kathy; Kamath, Amrita; Kan, David; Klei, Herbert;
 Marathe, Punit; Pang, Suhong; Peterson, Russell; Pitt, Sidney; Schieven,
 Gary L.; Schmidt, Robert J.; Tokarski, John; Wen, Mei-Li; Wityak, John;
 Borzilleri, Robert M.
 CS Bristol-Myers Squibb Pharmaceutical Research Institute, Princeton, NJ,
 08543-4000, USA
 SO Journal of Medicinal Chemistry (2004), 47(27), 6658-6661
 CODEN: JMCMAR; ISSN: 0022-2623
 PB American Chemical Society
 DT Journal
 LA English
 OS CASREACT 142:168974
 RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:654774 CAPLUS
 DN 141:190788
 TI A preparation of N-containing heterocyclic compounds, useful as vanilloid
 receptor ligands
 IN Doherty, Elizabeth M.; Fotsch, Christopher H.; Han, Nianhe; Hungate,
 Randall W.; Liu, Qingyian; Norman, Mark H.; Xi, Ning; Xu, Shimin
 PA Amgen Inc., USA
 SO U.S. Pat. Appl. Publ., 38 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004157845	A1	20040812	US 2004-775980	20040209
	CA 2515215	AA	20040826	CA 2004-2515215	20040209
	WO 2004072068	A1	20040826	WO 2004-US3908	20040209
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,				

BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU,
 MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN,
 GQ, GW, ML, MR, NE, SN, TD, TG
 EP 1603905 A1 20051214 EP 2004-709532 20040209
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 PRAI US 2003-446511P P 20030210
 WO 2004-US3908 W 20040209
 OS MARPAT 141:190788

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	11.05	207.55
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.75	-1.50

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STRUCTURE FILE UPDATES: 13 FEB 2006 HIGHEST RN 874180-50-4
 DICTIONARY FILE UPDATES: 13 FEB 2006 HIGHEST RN 874180-50-4

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 * the IDE default display format and the ED field has been added, *
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 * available and contains the CA role and document type information. *
 *

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 for details.

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 experimental property data in the original document. For information
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FILE 'REGISTRY' ENTERED AT 10:44:57 ON 14 FEB 2006

L1 STRUC
 L2 46 S L1

L3 STRUC
 L4 45 S L3
 L5 STRUC
 L6 32 S L5
 L7 STRUC
 L8 0 S L7
 L9 357 S L7 FUL
 L10 105 S L9 AND PYRI?

FILE 'CAPLUS' ENTERED AT 10:52:10 ON 14 FEB 2006
 L11 8 S L10

FILE 'REGISTRY' ENTERED AT 10:53:37 ON 14 FEB 2006
 L12 2 S 302961-88-2 OR 302961-89-3

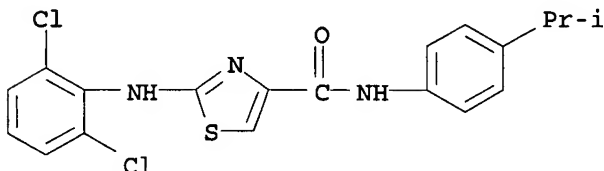
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 L13 4 S L12
 L14 4 S L11 NOT L13

FILE 'REGISTRY' ENTERED AT 10:55:33 ON 14 FEB 2006

=> s l9 not l10
 L15 252 L9 NOT L10

=> d scan

L15 252 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 4-Thiazolecarboxamide, 2-[(2,6-dichlorophenyl)amino]-N-[4-(1-methylethyl)phenyl]- (9CI)
 MF C19 H17 Cl2 N3 O S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.44	207.99

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.50

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FILE LAST UPDATED: 13 Feb 2006 (20060213/ED)

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=> s l15

L16 38 L15

=> s l16 and py<2003

22790873 PY<2003

L17 25 L16 AND PY<2003

=> d bib hitstr

L17 ANSWER 1 OF 25 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:835624 CAPLUS

DN 139:6779

TI Product class 17: thiazoles

AU Kikelj, D.; Urleb, U.

CS Fac. Pharm., University Ljubljana, Slovenia

SO Science of Synthesis (2002), 11, 627-833

CODEN: SSCYJ9

PB Georg Thieme Verlag

DT Journal; General Review

LA English

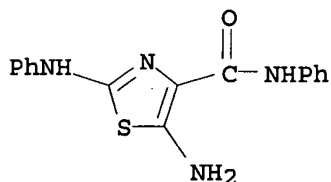
IT 105932-00-1P

RL: SPN (Synthetic preparation); PREP (Preparation)

(review of preparation of thiazoles and reactions thereof)

RN 105932-00-1 CAPLUS

CN 4-Thiazolecarboxamide, 5-amino-N-phenyl-2-(phenylamino)- (9CI) (CA INDEX
NAME)



RE.CNT 1224 THERE ARE 1224 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d bib abs hitstr 25

L17 ANSWER 25 OF 25 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1959:56387 CAPLUS

DN 53:56387

OREF 53:10179g-i,10180a-g

TI Thiazolidines. III. Reaction of 2-methylthio-5-phenylthiazoline-4-
carboxylic acid with thionyl chloride and phosphorus pentachloride

AU Holland, D. O.; Mamalis, P.
 CS Beecham Research Labs. Ltd., Betch-worth, UK
 SO Journal of the Chemical Society, Abstracts (1958) 4596-601
 CODEN: JCSAAZ; ISSN: 0590-9791
 DT Journal
 LA Unavailable
 AB cis- (I) and trans-2-Methylthio-5-phenylthiazoline-4-carboxylic acid (II) with SOCl₂ or PCl₅ give a gum which with bases yield compds. believed to be α-(methyldithiocarbonylamino)cinnamic acid derivs. II (2.5 g.) and 2.1 g. PCl₅ in 20 ml. C₆H₆ refluxed 1.5 hrs., the solvent removed, and the residue recrystd. gave 0.4 g. 4-benzylidene-2-methylthiothiazolin-5-one (III), m. 97° (C₆H₆-ligroine). The mother liquor from III left 2 hrs. with PhNH₂, extracted with dilute HCl, washed, dried, and concentrated gave 0.3 g. of α-(methyldithiocarbonylamino)cinnamanilide (IIIa), m. 152-3°, λ 287 mμ, ε 18,235. The mother liquor from a similar reaction treated 2 hrs. with glycine Me ester and 2.1 ml. NEt₃ in 10 ml. CHCl₃ extracted with dilute HCl, washed, evaporated, and treated 2 hrs. at room temperature with 20 ml. N NaOH gave 4-benzylidene-2-methylthiothiazolin-5-one (IV), m. 96-7° (alc.). The remaining alkaline solution extracted with CHCl₃ and acidified gave 0.18 g. 4-benzylidene-4,5-dihydro-2-mercapto-5-oxoglyoxalin-1-ylacetic acid, m. 255°. The CHCl₃ layer from the acidified solution washed, dried, and concentrated gave N-[α-(methyldithiocarbonylamino)cinnamoyl] glycine (IVa), m. 184-5° (CHCl₃-ligroine), λ 304 mμ, ε 12,620; Me ester, m. 86-7° (Et₂O-ligroine). 4-Benzylidene-2-thiothiazolid-5-one (2.5 g.) shaken 10 min. with 1.1 ml. MeI in 11.5 ml. N NaOH gave 1.6 g. IV. IV was also obtained when Me₂SO₄ was used to replace MeI. trans-2-Methylthio-5-phenylthiazoline 4-carboxyhydrazide (1.35 g.) stirred 5 min. at 0° in 7.5 ml. N HCl and 12.5 ml. H₂O with 10 ml. CHCl₃ and 0.4 g. NaNO₂, the CHCl₃ layer separated, washed, treated with 0.5 ml. PhNH₂, and left overnight gave 0.3 g. trans-2-methylthio-5-phenylthiazoline-4-carboxanilide, m. 83-4° (EtOAc-ligroine). The above reaction repeated and the CHCl₃ solution containing the PhNH₂ heated 20 min. gave 2-anilino-5-phenylthiazoline-4-carboxanilide, m. 178° (MeOH). II (2.5 g.) in 100 ml. C₆H₆ concentrated to 50 ml. and treated at room temperature with 3 ml. SOCl₂, the solid removed after 3 hrs. at 10°, and washed with C₆H₆ gave a product, m. 116° (decomposition), which kept in a desiccator developed the odor of SOCl₂. Use of 6 ml. SOCl₂ under reflux 1 hr. gave 1.8 g. IV. II (1.25 g.) and 3 ml. pure SOCl₂ in 5 ml. CHCl₃ refluxed 1 hr. gave a gum which treated with 5 ml. CHCl₃ and 2 ml. PhNH₂ gave 0.90 g. IIIa. The gum from a similar experiment in 10 ml. CHCl₃ treated 3 hrs. with 1.26 g. glycine Me ester-HCl and 7 ml. Et₃N in 15 ml. CHCl₃, extracted with dilute HCl, washed, dried, the solvent removed, the gum stirred 1 hr. with 15 ml. N NaOH, extracted with CHCl₃, acidified, and crystallized gave 1.1 g. IVa. The gum from the reaction of 1.25 g. II with SOCl₂ in CHCl₃ treated 16 hrs. with NH₄OH and isolated gave 0.55 g. α-(methyldithiocarbonylamino)cinnamamide (V), m. 122-4° (aqueous MeOH), λ 304 mμ, ε 11,485. V (0.5 g.) refluxed 15 min. with 4 ml. Ac₂O and 1 drop concentrated H₂SO₄, then left 45 min. on the steam bath, and H₂O added gave 0.34 g. mono-Ac derivative, m. 97-8° (aqueous MeOH). trans-5-Phenyl-2-thiothiazolidine-4-carboxamide (0.5 g.) and 0.5 ml. MeI in 2.5 ml. N NaOH kept 16 hrs. at 0°, extracted with CHCl₃, washed, dried, and concentrated gave trans-2-methylthio-5-phenylthiazoline-4-carboxamide, m. 92-3°. The corresponding amide (1 g.) refluxed 5 hrs. with 5 ml. concentrated HCl, 5 ml. AcOH, and 5 ml. H₂O, cooled, diluted with H₂O, and separated gave 0.75 g. α-(methyldithiocarbonylamino)cinnamic acid (VI), m. 140-1° (aqueous MeOH). After the amide (1 g.) was hydrolyzed 4 hrs. under reflux with 1.5 g. NaOH in 20 ml. 50% MeOH, the Na

salt separated as plates, m. above 290°, and acidification gave VI.
The gum from the reaction of 2.5 g. II with SOCl₂ in CHCl₃ dissolved in 15 ml. MeOH and left overnight gave 1.4 g. Me α-(methylthiocarbonylamino)cinnamate (VII), m. 64-6° (aqueous MeOH).

VII was also obtained from the acid by esterification with CH₂N₂ in EtOAc.

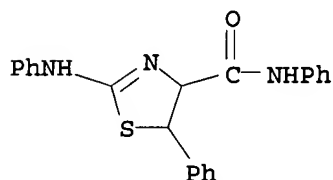
I (2.5 g.) and 6 ml. SOCl₂ refluxed 0.5 hr. in 10 ml. CHCl₃, evaporated, treated in 10 ml. CHCl₃ 3 days with 1.35 g. glycine Et ester-HCl, extracted with dilute HCl, the organic layer washed, dried, concentrated, the gum hydrolyzed by stirring 1 hr. with 15 ml. N NaOH, extracted with CHCl₃, acidified, and separated

gave 0.6 g. IVa. When the gum from 1.25 g. I was allowed to react with NH₃, 0.7 g. V was isolated. Similar reaction of the gum with PhNH₂ gave IIIa. Me trans-3-methyl-5-phenyl-2-thiothiazolidine-4-carboxylate was obtained from the corresponding acid by reaction with CH₂N₂ in Et₂O, needles, m. 107-8° (MeOH), λ 276 mμ, ε 16,400, or by action of refluxing MeOH with a little H₂SO₄. 4-Benzylidene-3-methyl-2-thiothiazolidin-5-one (2 g.) and 7 ml. NH₄OH heated 2 hrs. on a steam bath and cooled gave 1.5 g. trans-3-methyl-5-phenyl-2-thiothiazolidine-4-carboxamide, m. 131-2° (MeOH), λ 277 mμ, ε 17,000. The amide was also obtained by heating 1.0 g. Me ester in 15 ml. MeOH with 6 ml. NH₄OH.

IT 102549-51-9, 2-Thiazoline-4-carboxanilide, 2-anilino-5-phenyl-
(preparation of)

RN 102549-51-9 CAPLUS

CN 2-Thiazoline-4-carboxanilide, 2-anilino-5-phenyl- (6CI) (CA INDEX NAME)



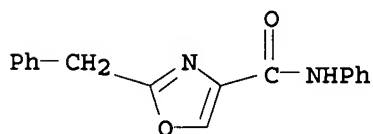
=> d hitstr 24

L17 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2006 ACS on STN

IT 93323-65-0, 4-Oxazolecarboxanilide, 2-benzyl- 98511-88-7
, 4-Oxazolecarboxy-p-toluidide, 2-benzyl-
(preparation of)

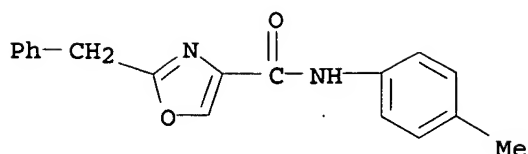
RN 93323-65-0 CAPLUS

CN 4-Oxazolecarboxanilide, 2-benzyl- (7CI) (CA INDEX NAME)



RN 98511-88-7 CAPLUS

CN 4-Oxazolecarboxy-p-toluidide, 2-benzyl- (7CI) (CA INDEX NAME)



=> d bib abs hitstr 24

L17 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1963:53202 CAPLUS

DN 58:53202

OREF 58:9040e-h

TI Compounds with potential antitubercular activity. IV. N-Substituted thioamides of 4-Oxazolecarboxylic acids

AU Sycheva, T. P.; Trupp, T. Kh.; Shchukina, M. N.

CS S. Ordzhoni-kidze All-Union Chem.-Pharm. Res. Inst., Moscow

SO Zhurnal Obshchei Khimii (1962), 32, 2882-5

CODEN: ZOKHA4; ISSN: 0044-460X

DT Journal

LA Unavailable

GI For diagram(s), see printed CA Issue.

AB cf. CA 58, 1448h. Addition of 6.9 g. POCl₃ to 3.81 g. 2-methyl-4-oxazolecarboxylic acid and 2.79 g. PhNH₂ and heating 1 hr. at 130° gave after an aqueous treatment 8.9 g. 2-methyl-4-oxazolecarboxanilide (I, R = Me) (II), m. 133.5-5.5°. Similarly were prepared the following I (R given): PhCH₂, m. 109.5-11°; Ph, m. 187-9°; p-MeC₆H₄, m. 180.5-2.5°. Similarly were prepared: 2-benzyl-4-oxazolecarbomoypholide, m. 108-10° and the corresponding p-toluidide, m. 121-2°. II (1 g.) in 25 ml. pyridine heated with 2 g. P₂S₅ at 120-30° (bath temperature) 4 hrs. gave after an aqueous treatment and extraction of the precipitate with hot MeOH, 0.25

g. yellow 2-methyl-4-oxazolecarbothioanilide (III), m. 123-5°.

Similarly were prepared the III analogs with following 2-substituents:

PhCH₂, m. 111-3.5; Ph, m. 104-5°. Similarly were prepared

2-benzyl-4-oxazolecarbothio-p-toluidide, m. 91-3°, and the

analogous thiomorpholide, m. 94-6°. 2-p-Tolyl-4-

oxazolecarboxanilide and P₂S₅ in pyridine 10 hrs. at 120-30° gave

after an aqueous treatment yellow 2-p-tolyl-4-thiazolecarbothioanilide, m.

147-9°. Et 2-p-tolyl-4-oxazolecarboxylate in 2N NaOH 1 hr. gave the

free acid, decomposed 229-30°. The replacement of the hetero O atom

by S in the reaction with P₂S₅ was not observed for the other examples above.

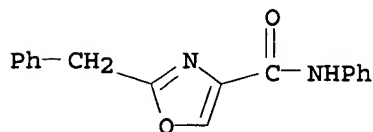
IT 93323-65-0, 4-Oxazolecarboxanilide, 2-benzyl- 98511-88-7

, 4-Oxazolecarboxy-p-toluidide, 2-benzyl-

(preparation of)

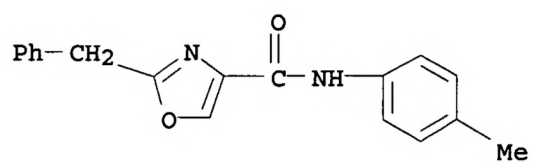
RN 93323-65-0 CAPLUS

CN 4-Oxazolecarboxanilide, 2-benzyl- (7CI) (CA INDEX NAME)



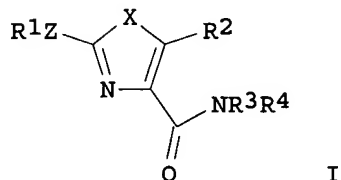
RN 98511-88-7 CAPLUS

CN 4-Oxazolecarboxy-p-toluidide, 2-benzyl- (7CI) (CA INDEX NAME)



AN 2005:471944 CAPLUS
 DN 143:26594
 TI Preparation of thiazoles and oxazoles useful as modulators of ATP-binding cassette (ABC) transporters
 IN Hadida Ruah, Sarah S.; Miller, Mark T.; Grootenhuys, Peter D. J.; Hamilton, Matthew
 PA Vertex Pharmaceuticals Incorporated, USA
 SO PCT Int. Appl., 146 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005049018	A1	20050602	WO 2004-US38566	20041115
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2005130970	A1	20050616	US 2004-989218	20041115
PRAI	US 2003-520355P	P	20031114		
OS	MARPAT 143:26594				
GI					



AB A method of modulating ABC transporter activity comprises administration of title compds. [I; X = O, S; R1 = H, 3-8 membered (substituted) (unsatd.) (heterocyclic) ring; Z = bond, (substituted) (heteroatom-interrupted) alkylidene; R2 = halo, CF3, cyano, NO2, TqR; R3 = UmR'; R4 = VpCyl; m, p, q = 0, 1; U, V, T = (substituted) (heteroatom-interrupted) alkylidene; Cyl = 3-8 membered (substituted) (unsatd.) (heterocyclic) ring; R = H, (substituted) alipharyl; R' = R, (substituted) (unsatd.) (heterocyclic) ring]. Thus, 2-(4-methoxybenzyl)thiazole-4-carboxylic acid, C-[1-(3,4-dimethoxyphenyl)cyclopentyl]methylamine (preparation given), Et3N, and O-(7-azabenzotriazol-1-yl)-N,N,N',N'-tetramethyluronium hexafluorophosphate were stirred together for 16 h in MeCN to give 43.9% 2-(4-methoxybenzyl)thiazole-4-carboxylic acid [1-(3,4-dimethoxyphenyl)cyclopentyl]methylamide. Some I exhibit a relative modulating efficacy of >30%.

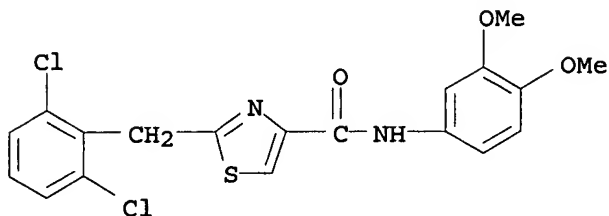
IT 852639-06-6P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of thiazoles and oxazoles useful as modulators of ATP-binding cassette transporters)

RN 852639-06-6 CAPLUS

CN 4-Thiazolecarboxamide, 2-[(2,6-dichlorophenyl)methyl]-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT